

Converting Colors

XYZ(86.8100, 93.3449,
177.3049)

Have a look what the booklet for
XYZ(86.8100, 93.3449, 177.3049)
contains.

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Color

**XYZ(73.6688, 88.0354,
107.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFDFF
RGB	187, 253, 255
RGB Percent	73%, 99%, 100%
CMY	0.2667, 0.0078, 0.0000
CMYK	0.27, 0.01, 0.00, 0.00
HSL	182°, 100%, 87%
HSV	182°, 27%, 100%
XYZ	73.6688, 88.0354, 107.7175
YIQ	233.4940, -39.9780, -13.3700

Conversions

Conversions Part 2

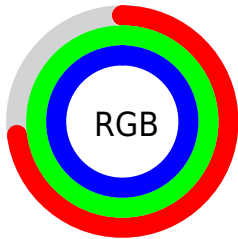
Format	Color
RYB	187, 220, 255
Decimal	12320255
CIELab	95.18, -19.92, -7.60
CIELCh	95, 21.319, 200.888
Yxy	88.0354, 0.2734, 0.3268
Android (android.graphics.Color)	4290510335 (0xFFBBFDFF)
YUV	233.4940, 10.6025, -40.7752
Hunter-Lab	93.8272, -24.0476, -2.3884

Details

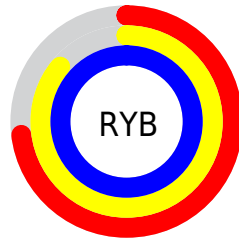
The XYZ color **73.6688, 88.0354, 107.7175** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4072, 61.2424, 55.2310**, and the grayscale version is **77.7705, 81.8206, 89.1026**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **39.4487, 48.4626, 60.7011** is the 20% darker color. If you saturate the color by 10%, you get **67.7406, 84.6316, 107.3730**, and if you desaturate by 10%, it is **80.7102, 92.0189, 108.1153**.

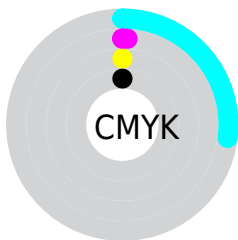
Distribution



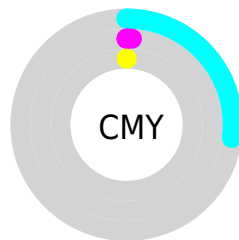
- Red (73%)
- Green (99%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6688, 88.0354, 107.7175 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.6688, 88.0354, 107.7175 by changing the saturation by 10% instead.

73.6688, 88.0354,
107.7175

73.6688, 88.0354,
107.7175

462.3975,
521.6192, 606.1191

54.8133, 66.3524,
82.1085

123.4242,
144.6064, 173.8671

39.4855, 48.5585,
60.9186

155.0549,
180.2633, 215.2448

27.3201, 34.2694,
43.7294

191.6746,
221.3468, 262.7157

17.9516, 23.1006,
30.1222

233.6489,
268.2415, 316.6986

11.0147, 14.6678,
19.6785

281.3429,
321.3316, 377.6118

6.1441, 8.5866,
11.9798

335.1221,

2.9744, 4.4725,

381.0017, 445.8739

6.6076

395.3519,
447.6361, 521.9035

■ 1.1402, 1.9412,
3.1432

■ 0.0584, 0.5730,
1.1682

■ 73.6688, 88.0354,
107.7175

■ 73.6688, 88.0354,
107.7175

■ 67.7406, 84.6316,
107.3730

■ 80.7102, 92.0189,
108.1153

■ 62.8601, 81.7670,
107.0773

■ 88.9121, 96.5999,
108.5672

■ 58.9655, 79.4121,
106.8280

95.0500, 100.0000,
108.9000

■ 55.9860, 77.5302,
106.6218

■ 53.8409, 76.0799,
106.4549

■ 52.4360, 75.0125,
106.3229

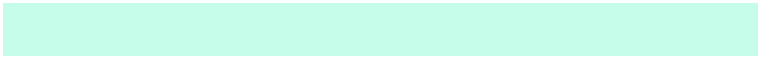
■ 51.6524, 74.2668,
106.2203

■ 51.4694, 74.0588,
106.1898

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1254, 88.0354, 90.8792



73.6688, 88.0354, 107.7175



76.8258, 88.0354, 122.8757

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6688, 88.0354, 107.7175



92.6429, 88.0354, 117.4809



85.4561, 88.0354, 67.6164

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



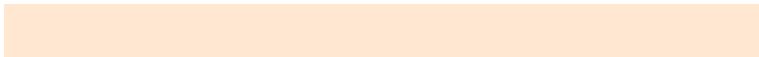
73.6688, 88.0354, 107.7175



68.4072, 61.2424, 55.2310

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9197, 88.0354, 73.1188



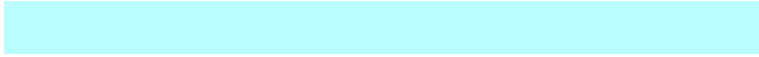
73.6688, 88.0354, 107.7175



95.1934, 88.0354, 101.0103

Square

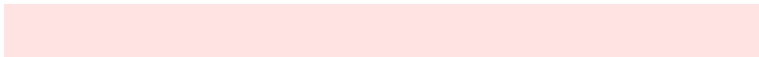
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6688, 88.0354, 107.7175



87.7203, 88.0354, 128.9501



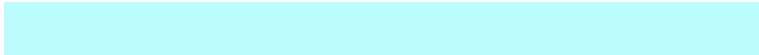
94.5486, 88.0354, 84.8981



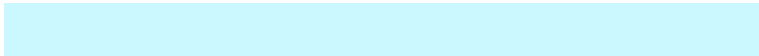
79.7560, 88.0354, 68.9713

Rectangle

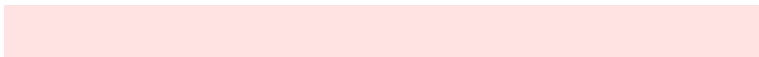
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6688, 88.0354, 107.7175



80.0715, 88.0354, 129.3638



94.5486, 88.0354, 84.8981



87.3850, 88.0354, 68.6993

Sweetspot

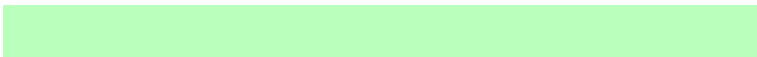
The Sweet Spot groups the original color and five complimentary colors.



73.6711, 88.0388, 107.7181



87.7484, 95.9528, 108.5037



65.3461, 85.7219, 60.7560



18.5065, 20.3846, 23.2092



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

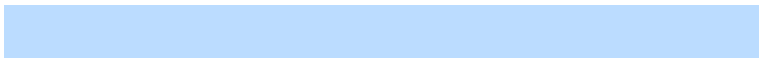
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6711, 88.0388, 107.7181



70.3731, 86.1518, 107.5276



64.1029, 68.9025, 104.5287



18.5065, 20.3846, 23.2092



26.9144, 38.7383, 55.4933



2.6344, 3.7995, 5.4078

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.7414, 63.8941, 101.2207



73.9273, 58.3675, 99.9692



76.3671, 77.1622, 57.8843



18.7683, 18.2906, 22.6630



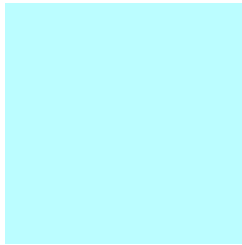
30.3733, 14.6386, 47.4778



2.9643, 1.4281, 4.6595

Previews

White Background



This preview shows how the XYZ color 73.6688, 88.0354, 107.7175 looks on a white background.

Color Contrast Check

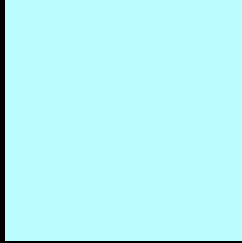
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 73.6688, 88.0354, 107.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6688, 88.0354, 107.7175

Background



This preview shows how black text looks on a background with the XYZ color 73.6688, 88.0354, 107.7175.

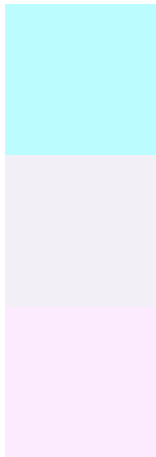


This preview shows how white text looks on a background with the XYZ color 73.6688, 88.0354,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.6688, 88.0354, 107.7175

Protanopia

84.6172, 87.5031, 100.4257

Deuteranopia

87.9032, 87.3321, 106.8315



Tritanopia

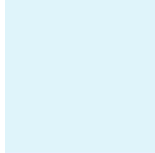
79.9158, 87.5849, 107.3013

Trichromacy



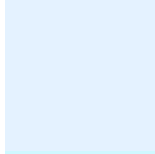
Original Color

73.6688, 88.0354, 107.7175



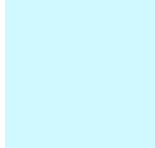
Protanomaly

80.0374, 87.2915, 103.0730



Deuteranomaly

81.7970, 87.2182, 107.1314



Tritanomaly

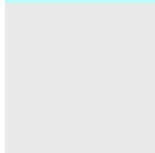
77.3495, 87.6202, 107.4434

Monochromacy



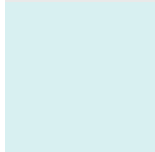
Original Color

73.6688, 88.0354, 107.7175



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.3562, 83.2700, 95.3201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6688, 88.0354, 107.7175 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 253, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.6688, 88.0354, 107.7175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

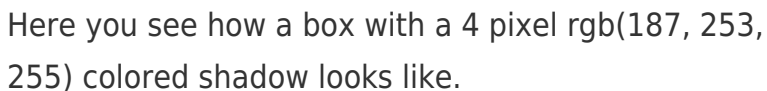
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 253, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 253, 255) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(187, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6688, 88.0354, 107.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 253, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187,  
253, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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